

Understanding KINEROS results

Posted by elsadek - 2009/06/16 17:53

I successfully ran KINEROS for my watershed and I got all the output files and I need to understand the results , I got this message in one of my output files 'based on length and parameter CLEN, the numerical increment of 170.2 m. is too large for

realistic numerical solution of the flow equation, and may

give misleading results' what does it mean and how can I solve this problem.

In order to calibrate my model I need to get the results from the watershed outlets how can I get that?(should I take the results from the channel associated with the outlet? .

The last question why the model doesn't give the distribution of the flow for the entire period 'I mean what I understand is that the model just give the total flow for the planes and channels for the entire event not temporally distributed).

Sorry for the long message

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Re:Understanding KINEROS results

Posted by isburns - 2009/06/27 21:56

See this post for an explanation about what the CLEN message means. In short, you don't need to worry about it because it doesn't affect your results.

Yes, you should use the results from the channel associated with the outlet for your calibration.

The hydrograph of the channel outlet is saved in both the .csv and .sim files in the simulation directory. Even though the data exists, displaying it in AGWA is not available at this time, but we plan to add that functionality in the future.

Shea

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Re:Understanding KINEROS results

Posted by elsadek - 2009/06/28 00:47

so, you mean I can't create the hydrograph,right? because I don't have the distribution of the flow for the time series. but in AGWA 1.5 manual there is something about KINEROS time series but it seems that this option is not available in AGWA 2x. right?

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Re:Understanding KINEROS results

Posted by isburns - 2009/06/28 00:56

You can plot the hydrograph using an external spreadsheet like Microsoft Excel but you cannot plot/create it in AGWA at this time. The time series viewer in AGWA 1.5 did not display a hydrograph in the traditional sense of a chart with time on the x-axis and flow on the y-axis but it did step through the entire simulation and display the values at each time step in the same manner as AGWA displays the totals for the simulation now.

This option and the traditional hydrograph chart will be available in AGWA 2.x in the future, but for now you will have to plot the data in an external program.

Shea

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Re:Understanding KINEROS results

Posted by elsadek - 2009/06/29 01:35

I noticed that, I don't have these two files (.csv and sim.) in the simulation directory. and when I run the model from the .exe file the window open (processing plane element then processing channel element) with the number of these channels and planes and then disappear without creating these two files (csv and sim) do you know what causing this

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Re:Understanding KINEROS results

Posted by elsadek - 2009/06/29 19:36

nd I have this message by the end of .out file
"error - Plane Element
no convergence (errh2)
any suggestions

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Re:Understanding KINEROS results

Posted by isburns - 2009/09/03 08:43

Can you zip your simulation directory and attach it to a message so I can view it. That should help diagnose the problem.

Shea

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